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(54) Title: METHOD FOR DISSOLUTION OF NITROGEN-RICH INCLUSIONS IN TITANIUM AND TITANIUM ALLOYS (57) Abstract It has been discovered that electroslog remelting of titanium metal or alloys under controlled partial pressures of nitrogen, and somewhat oxygen, can dissolve nitrogen-rich inclusions to help eliminate or reduce initiation sites for cracks. The process for the electroslog remelting of titanium and titanium alloys ensures that nitrogen-rich inclusions are dissolved or at least minimized during the melting process.		